

## LEVEL 1

SHIP:	<u>USS LASALLE (AGF-3)</u>	ITEM NO:	<u>253-85-001</u>
COAR:	<u>16-537</u>	PCN:	<u>EM01-1870</u> <u>EM01-1982</u>
		CMP:	<u>NONE</u>
		SURVEYOR:	GARNER

1. SCOPE:

- 1.1 Title: AER AGF-16/97D, Main and Auxiliary Steam System Valve Replacement; accomplish (LEVEL ONE)
- 1.2 Location of Work:
  - 1.2.1 Throughout the Ship
- 1.3 Identification:
  - 1.3.1 Not Applicable

## 2. REFERENCES:

- a. Standard Items
- b. 207-7540304 Rev A, AER AGF-16/97D Main and Auxiliary Steam System Mn  
Stm Stop Valve & Opr Repl
- c. 302-7446459, AER LPD-16/97 AGF-3 Power Mod Incidental Boiler Steam  
Stop Valve
- d. 401-7539965, AER 16/97 AGF-3 Mod Ckt VS Incdt Boiler Steam Stop Valve  
Air Operator Replacement
- e. 113-5377425 Rev A, Mounting Requirements for Small Equipment in Shock  
Critical Areas
- f. 605-1874109 Rev E, Label Plate Types
- g. 0900-LP-001-7000, Fabrication and Inspection of Brazed Piping Systems
- h. S9086-GX-STM-020/CH-220, Volume 2, Boiler Water/Feedwater-Test and  
Treatment

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## 3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-27 of 2.a.

(I) (G) "VERIFY LEVEL I MATL PRIOR TO MECH INST/FAB"

3.2 Accomplish the requirements of 2.b through 2.d, using 2.e and 2.f for guidance and the following:

3.2.1 Chip and grind surfaces flush in way of new installations.

3.2.2 Install flush inserts in way of removals, using new material of same type and thickness as adjacent structures.

3.3 Accomplish the requirements of 009-12 of 2.a, including Table One, Columns A and B, Lines One through 10 and Table 2, Column A, Lines One through 7.

3.3.1 Accomplish nondestructive testing in accordance with Lines 11 and 13 or 14 for Table One.

3.4 Accomplish the requirements of 009-25 of 2.a for the air hose test of newly welded seams for flush inserts. Allowable leakage: None.

3.5 Isolate components subject to damage and clean the new main steam and auxiliary steam piping system to a cleanliness level that results in the internal surfaces being visually free of grease, oil, flux, scale, dirt, loose particles, and any other contamination foreign to the base metal. Feedwater residues on metals and light superficial rust on carbon steel surfaces, caused by a short time exposure to the atmosphere, are permitted. Light dust on cleaned surfaces is not objectionable, provided that the quantity and size of the particle does not adversely affect system operation.

3.6 Accomplish the requirements of 009-71 of 2.a for new and disturbed main and auxiliary steam piping.

3.6.1 Test pressure shall be 945 PSIG, using feedwater conforming to Paragraphs 220-22.16 through 220-22.22 of 2.h, when the hydrostatic test option is selected.

3.7 Accomplish the requirements of 009-71 of 2.a for hydrostatic test of new and disturbed vital air piping, using clean, fresh water at 203 PSIG.

3.7.1 Upon completion of testing, remove water from the low pressure air system using clean dry air or nitrogen.

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3.8 Accomplish the requirements of 009-32 of 2.a for the new and disturbed surfaces.

3.9 Accomplish the requirements of 009-11 of 2.a to install new insulation, lagging and removable covers.

(V) (G) "OPERATIONAL TEST"

3.10 Accomplish an operational test of the new and disturbed valves and piping systems. Allowable leakage: None.

(V) (G) "OPERATIONAL TEST"

3.11 Accomplish an operational test of the electrical equipment and circuits in accordance with Test Note T-2 of 2.b.

## 4. NOTES:

4.1 Installing activity to furnish label plates.

4.2 Flushing of silverbrazed joints covered in 009-12.

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## 5. GOVERNMENT FURNISHED MATERIAL (GFM):

	<u>QTY</u>	<u>UI</u>	<u>NAME OF PART/ DESCRIPTION</u>	<u>PIECE NO.</u>	<u>REF. NO.</u>	<u>NATIONAL STOCK NO.</u>	<u>PARA NO.</u>
5.1	PUSH MATERIAL:						
1.	None.						
5.2	KITTED MATERIAL:						
1.	None.						
5.3	LLTM:						
1.	8	Ea.	Control Station, WT, With Protective Cover, MIL-C-2212, Mfr. Cutler Hammer, Type 6981ED173,	One	2.c	-----	3.2
2.	One	Ea.	FDR Distr Box, 4 Ckt, 450V, 3 Phase, 0-30A, MIL-F-24646/4, Symbol 544	4	2.c	1H5920001781625	3.2
3.	2	Ea.	Circuit Breaker, Type AQB-A101, 15 Amp, MIL-C-17361, Mfr. SPD Part No. ETN2750	5	2.c	9N5925008769216	3.2
4.	600	Ft.	Cable, LSTSGU-4, MIL-C-24643	--	2.c	9Z6145012019498	3.2
5.	660	Ft.	Cable, LSMSCU-7, MIL-C-24643	--	2.c	9Z6145012022041	3.2
6.	One	Ft.	Pipe, 6 Inch IPS, Sch 40, ASTM A335 Chrome Molybdenum, Class One 0.280 Inch Thk, LEVEL ONE	P-1	2.b	-----	3.2
7.	One	Ft.	Pipe, 3 1/2 Inch IPS, Sch 40, Gr B, ASTM A106, Carbon Steel	P-2	2.b	9C4710010259582	3.2

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8.	2	Ea. Gate Valve, 6 Inch IPS, V-1 BTWLD, 600 Lb., Chrome Molybdenum, LEVEL ONE with Bypass Valve and Electric Actuator (DO NOT ORDER)	2.b	-----	3.2
9.	2	Ea. Gate Valve, 4 Inch IPS, V-2 BTWLD, 600 Lb., Carbon Steel, with Bypass Valve and Electric Actuator (DO NOT ORDER)	2.b	-----	3.2
10.	6	Ea. Split-Type Backing Ring, 6 Inch IPS, For Sch 40 Pipe, Chrome Molybdenum, LEVEL ONE	--	--	----- 3.2
11.	6	Ea. Split-Type Backing Ring, 3-1/2 Inch IPS, For Sch 40 Pipe, Carbon Steel	--	--	----- 3.2
12.	2	Ea. Cap, One Inch IPS, Bronze, Silver-Braze	F-1	2.b	9C4730005951281 3.2
13.	One	Set Label Plates, Anodized Aluminum (DO NOT ORDER)	F-2	2.b	----- 3.2